

Using GitHub Professionally

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Outline

What is
Github?

Why should I
care?

How do I use
GitHub?

How do I
make a good
profile?

Work with it!

- 1 What is Github?
- 2 Why should I care?
- 3 How do I use GitHub?
- 4 How do I make a good profile?
- 5 Work with it!

What is Github?

What is Github?

Why should I care?

How do I use GitHub?

How do I make a good profile?

Work with it!

What is Git?

- Code repository
- Version control system
- A tool for development

What's the Hub?

- The largest Git server in the world
- Showcase of your skills and abilities
- History of activity
- Collaboration

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Why should I care?

Paradox of Experience

What is
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How do I use
GitHub?

How do I
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profile?

Work with it!

Your resume summarizes your experience, your GitHub proves it

Industry wants experience, but won't hire inexperienced people

To resolve this, you need your own experience

Work on problems, already solved or not, and record the process!

Why should I care?

Paradox of Experience

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Setting Expectations

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<https://xkcd.com/1597>

How do I use GitHub?

The Basics

What is
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Why should I
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How do I use
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How do I
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profile?

Work with it!

On GitHub, your work is organized into repositories, or "repos".

When you start a new project, you start a new repo.

Many ways to work with repos:

- In-browser
- GitHub Desktop
- Command line

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Branches

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Work with it!

GitHub lets you create "branches" on your project

To begin with, you work with the "master" branch

Branches start out identical to what they branched from

Push to master?

Working on the master branch is generally strongly discouraged. Think of pushing to the master branch as releasing a new version, you don't want to do it until you're sure it's ready.

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Merging

What is
Github?

Why should I
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How do I use
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How do I
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Work with it!

You can work as long as you want on any particular branch

When you want to move your changes to another branch, you
"merge"

This is sometimes simple, and sometimes complex

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Merging

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How do I use GitHub?

Forking and pull requests

What is
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Why should I
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How do I use
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How do I
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Work with it!

GitHub loves open source, so anyone can contribute to pretty much anything!

If you want to contribute to a project, here's the workflow:

- 1 Fork
- 2 Branch
- 3 Work
- 4 Pull request

Pull requests are just you asking the developer to merge your changes

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How do I make a good profile?

Contribution History

What is
Github?

Why should I
care?

How do I use
GitHub?

How do I
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Work with it!

Your GitHub account tracks your contribution history

Having a long and consistent contribution history is valuable

One very good thing you can do for your profile is to
consistently work on things!

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Information

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How do I use
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How do I
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Work with it!

What should you set?

- Name
- Contact information
- Biography
 - Short (100 characters)
 - Catch the reader's attention
 - Highlight your skills, education, or position

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Repositories

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profile?

Work with it!

Your repositories all should have a README.md

Having nice READMEs demonstrates that you can keep good documentation.

You can have up to 6 of your public repositories pinned on your profile.

What should you pin?

- Projects emphasizing your skills
- Projects you're proud of
- Popular repositories

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What not to include

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Work with it!

Don't include more non-professional information than necessary

This accomplishes two things:

- Keeps professional tools professional
- Minimizes the influence of any unconscious bias your reader might have

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GitHub has a secret feature on a repo with your username

The README will be on your profile, giving you some more flexibility

Uses Markdown, the same as any other repository

To use this, create a repo with the same name as your username, and set README.md there

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